

WHAT IS CLAIMED IS:

1. A pump-used filter device comprising:

5 a connecting body capable of communicating with a spray gun pump, the connecting body being formed with an internal upper cavity, the connecting body being further formed with a guide post in the upper cavity, the connecting body being further formed with a liquid incoming passage passing through the guide post, the
10 connecting body being further formed with a liquid outgoing passage on one side other than the liquid incoming passage, one end of the liquid outgoing passage communicating with the upper cavity, the other end of the liquid outgoing passage being formed with at least one outlet;

15 a main body having a connecting section locked with the connecting body, the main body further having a coupling section immediately adjacent to the connecting section, the coupling section being formed with an internal lower cavity corresponding to the
20 upper cavity of the connecting body; and

 a filter mesh horizontally disposed between the main body and the connecting body, the guide post being fitted through and located in the filter mesh, whereby the filter mesh separates the upper cavity
25 of the connecting body and the lower cavity of the main body from each other as two spaces.

2. The pump-used filter device as claimed in claim 1, wherein the coupling section of the main body is a conic section.
3. The pump-used filter device as claimed in claim 2, wherein bottom
5 end of the conic section of the main body is formed with an opening in which a valve body is locked.
4. The pump-used filter device as claimed in claim 1, wherein a
10 circumference of the connecting body is formed with an outer thread section and the connecting section of the main body is formed with an inner thread hole, the outer thread section of the connecting body being locked in the inner thread hole, whereby a circumference of the filter mesh is clamped between the main body and an end of the outer thread section of the connecting body.
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5. The pump-used filter device as claimed in claim 1, wherein outer and inner circumferences of the filter mesh respectively have an outer and a central leakproof washers, the guide post being fitted through the central washer, the outer washer being clamped between the main
20 body and an end of the outer thread section of the connecting body.
6. The pump-used filter device as claimed in claim 5, wherein multiple reinforcing ribs are disposed between the two washers of the filter mesh at equal angular intervals.
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7. The pump-used filter device as claimed in claim 1, wherein a guide member is locked on one end of the guide post, which passes through

the filter mesh, whereby the filter mesh is clamped by the guide post of the connecting body and the guide member on two sides of the filter mesh, the guide member having a chamber communicating with the liquid incoming passage, at least one guiding outlet being formed through the guide member and communicating with the chamber.

8. The pump-used filter device as claimed in claim 5, wherein a guide member is locked on one end of the guide post, which passes through the filter mesh, whereby the filter mesh is clamped by the guide post of the connecting body and the guide member on two sides of the filter mesh, the guide member having a chamber communicating with the liquid incoming passage, at least one guiding outlet being formed through the guide member and communicating with the chamber.
9. The pump-used filter device as claimed in claim 7, wherein the guiding outlet of the guide member is perpendicular to the chamber.